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### LISTING OF THE CLAIMS

- 1           1. (Currently Amended) A method for communicating  
2 TTY calls, comprising the steps of:  
3           detecting a TTY call;  
4           determining that a digital display on a first  
5 telecommunication terminal is to be used to display TTY  
6 information of the call from a second telecommunication  
7 terminal and that audio information will be transmitted to the  
8 second telecommunication terminal;  
9           generating the audio information transmitted to the  
10 second telecommunication terminal by a TTY device wherein  
11 the audio information is received from at least one of an  
12 acoustic coupler of the TTY device via a handset of the first  
13 telecommunication terminal or an interface of the TTY device  
14 via an analog interface of the first telecommunication terminal;  
15           converting the TTY information to digital display  
16 information;  
17           transmitting the digital display information to the first  
18 telecommunication terminal; and  
19           muting an incoming call audio path from the second  
20 telecommunication terminal to the first telecommunication  
21 terminal.

- 1           2. (Canceled)

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1           3. (Canceled)

1           4. (Currently Amended) The method of claim 3 1 further  
2 comprises the step of operating the TTY device and the first  
3 telecommunication terminal in a full duplex mode with respect  
4 to the second telecommunication terminal.

1           5. (Currently Amended) ~~The method of claim 2 further~~  
2 ~~comprises the steps of~~ A method for communicating TTY calls,  
3 comprising the steps of:

4           detecting a TTY call;

5           determining that a digital display on a first  
6 telecommunication terminal is to be used to display TTY  
7 information of the call from a second telecommunication  
8 terminal and that audio information will be transmitted to the  
9 second telecommunication terminal;

10          generating the audio information transmitted to the  
11 second telecommunication terminal by a TTY device;

12          connecting the first telecommunication terminal to a  
13 telecommunication switching system via a first  
14 telecommunication link and the TTY device to the  
15 telecommunication switching system via a second  
16 telecommunication link; and

17          transmitting the audio information to the second  
18 telecommunication terminal via the second telecommunication  
19 link;

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20       converting the TTY information to digital display  
21   information;  
22       transmitting the digital display information to the first  
23   telecommunication terminal; and  
24       muting an incoming call audio path from the second  
25   telecommunication terminal to the first telecommunication  
26   terminal.

1       6. (Original) The method of claim 5 further comprises the  
2   step of operating the TTY device and the first  
3   telecommunication terminal in a full duplex mode with respect  
4   to the second telecommunication terminal.

1       7. (Original) The method of claim 6 further comprises the  
2   step of establishing a bridged line appearance between the first  
3   and second telecommunication links.

1       8. (Original) The method of claim 5 further comprises the  
2   step of operating the TTY device and the first  
3   telecommunication terminal in a full duplex mode with respect  
4   to the second telecommunication terminal.

1       9. (Canceled)

1       10. (Canceled)

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1           11. (Currently Amended) The method of claim 4 5  
2 wherein the step of determining comprises the step of  
3 responding to an act of a user on the first telecommunication  
4 terminal.

1           12. (Original) The method of claim 11 wherein the act  
2 occurs during the TTY call.

1           13. (Original) The method of claim 11 wherein the act  
2 occurs before the TTY call.

1           14. (Currently Amended) The method of claim 4 5  
2 wherein the step of detecting comprises the step of determining  
3 from stored information that the second telecommunication  
4 terminal may be transmitting TTY information.

1           15. (Original) The method of claim 1 wherein the step of  
2 transmitting comprises the step of using a control path to the  
3 first telecommunication terminal.

1           16. (Original) The method of claim 1 further comprises  
2 the step of enabling an outgoing audio call path from the first  
3 telecommunication terminal to the second telecommunication  
4 terminal on which voice information is communicated from a  
5 handset of the first telecommunication terminal.

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1           17. (Currently Amended) The method of claim 4 5  
2   wherein the second telecommunication terminal is a voice  
3   messaging system.

1           18. (Original) The method of claim 17 wherein the step  
2   of determining comprises the step of detecting from information  
3   stored on the voice message system that the second  
4   telecommunication terminal may be transmitting TTY  
5   information.

1           19. (Original) The method of claim 17 wherein the step  
2   of converting is performed by the voice message system.

1           20. (Original) An apparatus for communicating TTY  
2   calls, comprising:  
3       a computer;  
4       a controller;  
5       a switching network;  
6       a memory;  
7       the computer by execution of a control routine detecting a  
8   TTY call;  
9       the computer by execution of the control routine  
10   determining that a first telecommunication terminal is to display  
11   TTY information received from a second telecommunication  
12   terminal on the digital display of the first telecommunication  
13   terminal;

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14           the controller converting the TTY information to digital  
15   display information; and  
16           the switching network communicating the digital display  
17   information to the first telecommunication terminal, enabling a  
18   first audio call path to the second telecommunication terminal,  
19   and disabling a second audio call path from the second  
20   telecommunication terminal to the first telecommunication  
21   terminal.

1           21. (Original) The apparatus of claim 20 further  
2   comprises a TTY device generating audio information for  
3   communication on the first audio call path to the second  
4   telecommunication terminal.

1           22. (Original) The apparatus of claim 21 wherein the  
2   TTY device and the first telecommunication terminal operate in  
3   a full duplex mode with respect to the second  
4   telecommunication terminal.

1           23. (Original) The apparatus of claim 22 further  
2   comprises at least one of an acoustic coupler of the TTY device  
3   coupled to the first telecommunication terminal via a handset of  
4   the first telecommunication terminal or an interface of the TTY  
5   device coupled to the first telecommunication terminal via an  
6   analog interface of the first telecommunication terminal to  
7   generate the audio information.

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1           24. (Original) The apparatus of claim 22 further  
2 comprises a first telecommunication link connecting the first  
3 telecommunication terminal to a telecommunication switching  
4 system and a second telecommunication link connecting the  
5 TTY device to the telecommunication switching whereby the  
6 audio information is transmitted to the second  
7 telecommunication terminal via the second telecommunication  
8 link.

1           25. (Original) The apparatus of claim 24 further  
2 comprises the telecommunication switching system establishing  
3 a bridged line appearance between the first and second  
4 telecommunication links.

1           26. (Original) The apparatus of claim 20 further  
2 comprises a handset connected to the first telecommunication  
3 terminal for generating voice information for communication on  
4 the first audio call path from the first telecommunication  
5 terminal to the second telecommunication terminal.

1           27. (Original) The apparatus of claim 26 wherein the  
2 handset and the first telecommunication terminal operate in a  
3 voice carry over mode.

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1           28. (Original) The apparatus of claim 20 wherein the  
2       switching network communicating the digital display information  
3       to the first telecommunication terminal via a control path.

1           29. (Original) The apparatus of claim 20 wherein the  
2       computer during execution of the control routine to determine  
3       that a first telecommunication terminal is to display the TTY  
4       information accesses data in the memory.

1           30. (Original) The apparatus of claim 29 wherein the  
2       data stored in the memory was stored in response to an act of a  
3       user on the first telecommunication terminal.

1           31. (Original) The apparatus of claim 30 wherein the act  
2       occurs during the TTY call.

1           32. (Original) The apparatus of claim 30 wherein the act  
2       occurs before the TTY call.

1           33. (Original) The apparatus of claim 20 further  
2       comprises a voice message system and the voice message  
3       system is the second telecommunication terminal.

1           34. (Canceled).



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1           35. (Currently Amended) A processor-readable medium  
2 for communicating TTY calls, comprising processor-executable  
3 instructions configured for:

4           detecting a TTY call;

5           determining that a digital display on a first  
6 telecommunication terminal is to be used to display TTY  
7 information of the call from a second telecommunication  
8 terminal and that audio information will be transmitted to the  
9 second telecommunication terminal;

10           generating the audio information transmitted to the  
11 second telecommunication terminal by a TTY device wherein  
12 the audio information is received from at least one of an  
13 acoustic coupler of the TTY device via a handset of the first  
14 telecommunication terminal or an interface of the TTY device  
15 via an analog interface of the first telecommunication terminal;

16           converting the TTY information to digital display  
17 information;

18           transmitting the digital display information to the first  
19 telecommunication terminal; and

20           muting an incoming call audio path from the second  
21 telecommunication terminal to the first telecommunication  
22 terminal.

1           36. (Canceled)

1           37. (Canceled)

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1           38. (Currently Amended) The processor-readable  
2 medium of claim ~~37~~ 35 further comprises operating the TTY  
3 device and the first telecommunication terminal in a full duplex  
4 mode with respect to the second telecommunication terminal.

1           39. (Currently Amended) ~~The processor-readable~~  
2 ~~medium of claim 36 further comprises~~ A processor-readable  
3 medium for communicating TTY calls, comprising processor-  
4 executable instructions configured for:  
5           detecting a TTY call;  
6           determining that a digital display on a first  
7 telecommunication terminal is to be used to display TTY  
8 information of the call from a second telecommunication  
9 terminal and that audio information will be transmitted to the  
10 second telecommunication terminal;  
11           generating the audio information transmitted to the  
12 second telecommunication terminal by a TTY device;  
13           connecting the first telecommunication terminal to a  
14 telecommunication switching system via a first  
15 telecommunication link and the TTY device to the  
16 telecommunication switching system via a second  
17 telecommunication link; and  
18           transmitting the audio information to the second  
19 telecommunication terminal via the second telecommunication  
20 link;

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21       converting the TTY information to digital display  
22   information;  
23       transmitting the digital display information to the first  
24   telecommunication terminal; and  
25       muting an incoming call audio path from the second  
26   telecommunication terminal to the first telecommunication  
27   terminal.

1       40. (Original) The processor-readable medium of claim  
2   39 further comprises operating the TTY device and the first  
3   telecommunication terminal in a full duplex mode with respect  
4   to the second telecommunication terminal.

1       41. (Original) The processor-readable medium of claim  
2   40 further comprises establishing a bridged line appearance  
3   between the first and second telecommunication links.

1       42. (Canceled)

1       43. (Canceled)

1       44. (Currently Amended) The processor-readable  
2   medium of claim ~~35~~ 39 wherein the determining comprises  
3   responding to an act of a user on the first telecommunication  
4   terminal.

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1 45. (Original) The processor-readable medium of claim  
2 44 wherein the act occurs during the TTY call.

1 46. (Original) The processor-readable medium of claim  
2 44 wherein the act occurs before the TTY call.

1 47. (Currently Amended) The processor-readable  
2 medium of claim 35 39 wherein the detecting comprises  
3 determining from stored information that the second  
4 telecommunication terminal may be transmitting TTY  
5 information.

1 48. (Original) The processor-readable medium of claim  
2 35 wherein the transmitting comprises using a control path to  
3 the first telecommunication terminal.

1 49. (Original) The processor-readable medium of claim  
2 35 further comprises the enabling an outgoing audio call path  
3 from the first telecommunication terminal to the second  
4 telecommunication terminal on which voice information is  
5 communicated from a handset of the first telecommunication  
6 terminal.

1 50. (Currently Amended) The processor-readable  
2 medium of claim 35 39 wherein the second telecommunication  
3 terminal is a voice messaging system.

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1           51. (Original) The processor-readable medium of claim  
2   50 wherein the determining comprises detecting from  
3   information stored on the voice message system that the  
4   second telecommunication terminal may be transmitting TTY  
5   information.

1           52. (Original) The processor-readable medium of claim  
2   50 wherein the converting is performed by the voice message  
3   system.